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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.    | CONFIRMATION NO. |
|-----------------|-------------|----------------------|------------------------|------------------|
| 09/753,586      | 01/02/2001  | Ahmad H. Tawil       | 016295.0610 (DC-02372) | 1874             |

7590

05/20/2004

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EXAMINER

FAROOQ, MOHAMMAD O

ART UNIT

PAPER NUMBER

2182

4

DATE MAILED: 05/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/753,586

Applicant(s)

TAWIL ET AL.

Examiner

Mohammad O. Farooq

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2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 30 January 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7, 9-11, 14-16, 18 and 19 is/are rejected.
- 7) ☒ Claim(s) 6, 8, 12, 13, 17 and 20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2 and 3.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1, 3-5, 9, 10, 14-16, 18 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Blumenau, U.S. Pat. No. 6,631,442 B1.

2. As to claim 1, Blumenau teaches system comprising:

a server (any one of hosts; items 150-152, fig. 1) operable to interface with an network, the server comprising a component that is assigned a media access control (MAC) address (since each host has WWN and MAC address is incorporated therein; fig. 6, fig. 7; col. 22, lines 45-53); and

a target operable to interface with the initiator, the target comprising a worldwide name incorporating the MAC address (fig. 6, 7 and 9; col. 22, lines 45-53).

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3. As to claims 3 and 4, Blumenau teaches system wherein the target comprises a disk drive and a tape drive (item 104, 115-1, 116-1, fig. 1).

4. As to claim 5, Blumenau teaches an application module (inherent) associated with the server, the application module operable to generate the worldwide name (col. 22, lines 39-53).

5. As to claims 9 and 15, Blumenau teaches a plurality of targets (items 221, 222; fig. 6; fig. 7) operable to interface with the network, each target comprising a unique worldwide name incorporating the MAC address (col. 22, lines 39-53).

6. As to claim 10, Blumenau teaches system comprising:

a server (any one of hosts; items 150-152, fig. 1) operable to interface with a fibre channel network (item 105, fig. 1), the server comprising a network interface card (NIC; item 105, fig. 1) having a media access control (MAC) address;

a storage device interface with the server (fig. 1); and

an application module (inherent) associated with the server application module operable to generate a worldwide name for storage device, the worldwide name incorporating the MAC address (fig. 6, 7; col. 22, lines 39-53).

7. As to claim 14, Blumenau teaches plurality of storage devices interfaced with the fibre channel network (fig. 1, 9).

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8. As to claim 16, Blumenau teaches method for generating worldwide names comprising:

reading (inherent) a media access control (MAC) address for a network interface card (NIC) associated with a server operable to interface with a network (fig. 1);

identifying a target interfaced with the server (fig. 1);

assigning a vendor specified identifier to the target (inherent; fig. 1); and

appending the vendor specified identifier (values in WWN besides MAC address) to the MAC address to create world wide name for the target (col. 22, lines 39-53).

9. As to claims 18 and 19, Blumenau teaches the network comprises a fibre channel network and identifying the target comprises identifying a storage device (fig. 1, 9).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Blumenau, U.S. Pat. No. 6,631,442 B1, in view of Kashio et al. U.S. Pat. No. 5,208,811 further in view of Wilson 6,697,875 B1.

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11. Claims 7 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blumenau, U.S. Pat. No. 6,631,442 B1, in view of Kashio et al. U.S. Pat. No. 5,208,811.

12. As to claim 2, Blumenau teaches the world wide name comprises MAC address (col. 22, lines 45-53).

Blumenau does not teach MAC address comprises forty-eight bit. Kashio et al. teach MAC address comprises forty-eight bit (col. 3, lines 10-15). However, it would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of Blumenau and Kashio et al. because that would provide the addresses to be written beforehand to the read-only memory at a delivery of the LAN terminal (col. 3, lines 11-19).

Neither Blumenau not Kashio et al. teach world wide name comprises sixty-four bit. Wilson teaches world wide name comprises sixty-four bit (col. 7, lines 25-31). However, it would have been obvious to one of ordinary skill in the art at the time of invention to modify the combination of Blumenau and Kashio et al. to incorporate Wilson because that would provide faulty device in a network to be accessible for remote shutdown (col. 1, lines 44-64).

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13. As to claims 7 and 11, Blumenau does not teach MAC address comprises a company identification field and a first vendor field. Kashio et al. teach MAC address comprises a company identification field and a first vendor field (i.e., MAC header and MAC trailer; col. 6, lines 29-44). However, it would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of Blumenau and Kashio et al. because that would provide interconnection of heterogeneous networks (col. 3, lines 47-51).

***Allowable Subject Matter***

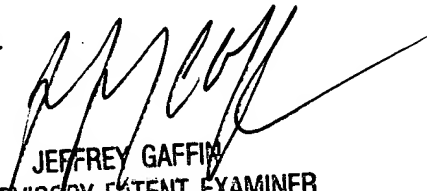
14. Claims 6, 8, 12, 13, 17 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad O. Farooq whose telephone number is (703) 305-3888. The examiner can normally be reached on 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (703) 308-3301. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
JEFFREY GAFFIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

Mohammad O. Farooq  
May 15, 2004